U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ONLINE SEARCH REQUEST FORM

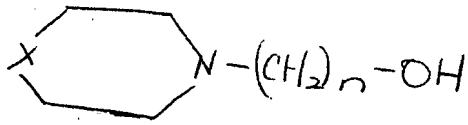
USER Northington SERIAL NUMBER 07/117,283

ART UNIT 121 PHONE X8871 DATE 2/23/88

Please give a detailed statement of requirements. Describe as specifically as possible the subject matter to be searched. Define any terms that may have special meaning. Give examples or relevant citations, authors, or keywords, if known.

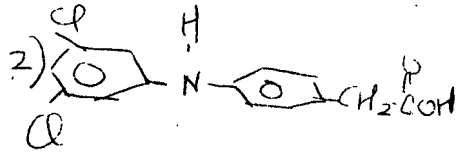
You may include a copy of the broadest and or relevant claim(s).

base



+ salt

1) diclofenac sodium



X

> $(CH_2)_m$

$m = 0, 1, 2$

> O

> S

> NR

$R = C_{1-4}$

$C_{14} H_{11} Cl_2 N O_2$

CRN

STAFF USE ONLY

COMPLETED 2-24-88

SEARCHER JOHN D

ONLINE TIME 40 (in minutes) TOTAL TIME 50

NO. OF DATABASES 1

SYSTEMS 19

- ✓ CAS ONLINE
- ___ DARC/QUESTEL
- ___ DIALOG
- ___ SDC
- ___ OTHER

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FILE 'CA' ENTERED AT 08:05:52 ON 24 FEB 88
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FILE LAST UPDATED: 20 FEB 88 (880220/ED)  VOL 108 ISS 8

=> s l7 and (dichlofenac)/ab,bi
            581 L7
             11 (DICHLOFENAC)/AB
              4 (DICHLOFENAC)/BI
L23           0 L7 AND (DICHLOFENAC)/AB,BI

=> fil hom
FILE 'HOME' ENTERED AT 08:07:15 ON 24 FEB 88

=> dis his
                (FILE REGISTRY)

                DEL HIS
                ACT ZINA117/A
                ----------
L1              SCR 1700
L2              SCR 1363 OR 1297
L3              STR
L4              STR
L5              STR
L6              STR
L7            543 SEA SSS FUL (L3 OR L4 OR L5 OR L6) AND L1 AND L
                  ---------
L8             32 S L7 AND (SALT OR COMPLEX)
L9              4 S DICLOFENAC
L10             0 S L9 AND C12H1CL2NO2
L11             0 S L9 AND C12H12CH2NO2
L12             0 S L9 AND C12H11CL2NO2
L13             1 S DICLOFENAC/CN
                E C14H11CL2NO2/MF
L14             1 S E12
L15           215 S C14H11CL2NO2
L16             0 S L15 AND L7
L17             0 S C14H11CL2NO2/CRN
                E 3333/CRN

                FIL CA

                FIL REG

                FIL CA
L18             1 S L7 AND L15
L19             0 S L7 AND (DICLOFENAC)/AB,BI

                FIL REG
L20 (           4)S DICLOFENAC
L21 (           1)S DICHLOFENAC
L22             0 S L7 AND (DICLOFENAC OR DICHLOFENAC) STE

                FIL CA
L23             0 S L7 AND (DICHLOFENAC)/AB,BI

                FIL HOM

=> fil hom
FILE 'HOME' ENTERED AT 08:07:34 ON 24 FEB 88

=>
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long-wave absorption max. were used for detn. of substances having several absorption max. Agreement with Beer's law at the recommended absorption max. was verified.
KW drug detn UV spectrophotometry
IT Pharmaceutical analysis
(by UV spectrophotometry)
IT Spectrochemical analysis
(UV, of pharmaceuticals)
IT 50-62-4 59-92-7, analysis 69-43-2 86-34-0 104-06-3 304-84-7
311-45-5 456-59-7 596-51-0 637-07-0 790-69-2 1421-14-3
2019-16-1 2508-72-7 3339-11-5 3679-64-9 5874-97-5 7411-49-6
7635-51-0 13425-22-4 13636-10-7 14261-75-7 14976-57-9
15307-79-6 15823-89-9 ***20269-19-6*** 22664-55-7
32266-10-7 56974-46-0 61732-85-2
(detn. of, UV spectrophotometric)

=> s l7 and (diclofenac)/ab,bi
581 L7
425 (DICLOFENAC)/AB
258 (DICLOFENAC)/BI
L19 0 L7 AND (DICLOFENAC)/AB,BI

=> fil reg
FILE 'REGISTRY' ENTERED AT 08:03:58 ON 24 FEB 88
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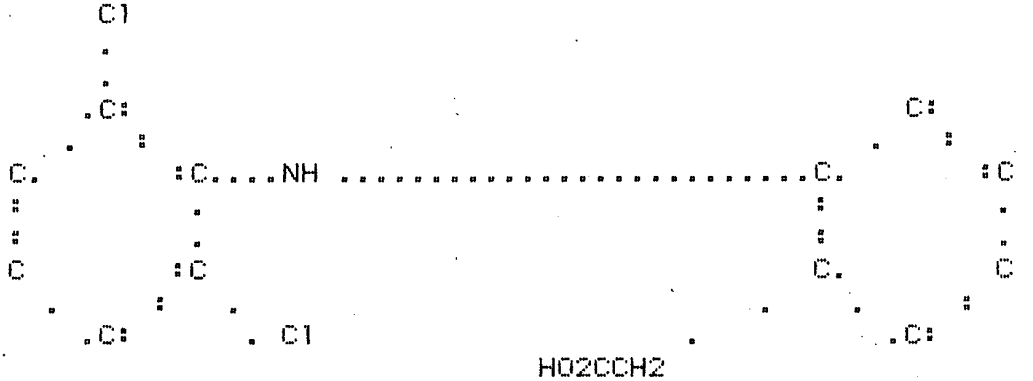
STRUCTURE FILE UPDATES: HIGHEST RN 113033-11-7
DICTIONARY FILE UPDATES: 20 FEB 88 (880220/ED) HIGHEST RN 113008-08-5

=>

L13 ANSWER 1 OF 1

RN 15307-86-5
IN Benzeneacetic acid, 2-[(2,6-dichlorophenyl)amino]- (9CI)
SY Acetic acid, [o-(2,6-dichloroanilino)phenyl]- (8CI)
SY N-(2,6-Dichlorophenyl)-o-aminophenylacetic acid
SY [o-(2,6-Dichloroanilino)phenyl]acetic acid
SY 2-(2,6-Dichloroanilino)phenylacetic acid
SY Diclofenac acid
SY Dichlofenac
SY Diclofenac
DR 87180-41-4, 76595-40-9
MF C14 H11 Cl2 N O2
CI COM



424 REFERENCES IN FILE CA (1967 TO DATE)

=> $il7cand (diclofenac or dichlofenac) ste
L20 (4)DICLOFENAC
L21 (1)DICHLOFENAC
L22 0 L7 AND (DICLOFENAC OR DICHLOFENAC)

=> fil reg
FILE 'REGISTRY' ENTERED AT 08:00:08 ON 24 FEB 88
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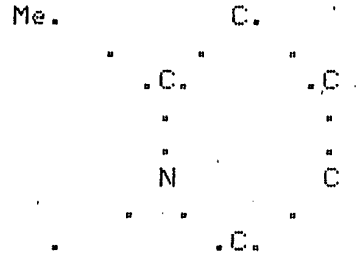
STRUCTURE FILE UPDATES: HIGHEST RN 113033-11-7
DICTIONARY FILE UPDATES: 20 FEB 88 (880220/ED) HIGHEST RN 113008-08-5

=> d 17

L7 ANSWER 1 OF 543

RN 94-88-2
IN 1-Piperidinepropanol, 2-methyl- (6CI, 7CI, 8CI, 9CI)
SY 2-Methyl-1-piperidinepropanol
MF C9 H19 N O
LC TSCA



HO(CH2)3

REFERENCES IN FILE CAOLD (PRIOR TO 1967)
3 REFERENCES IN FILE CA (1967 TO DATE)

=> fil ca
FILE 'CA' ENTERED AT 08:00:31 ON 24 FEB 88
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FILE LAST UPDATED: 20 FEB 88 (880220/ED) VOL 108 ISS 8

=> s l7 and l15
581 L7
1164 L15
L18 1 L7 AND L15

=>
=> d all

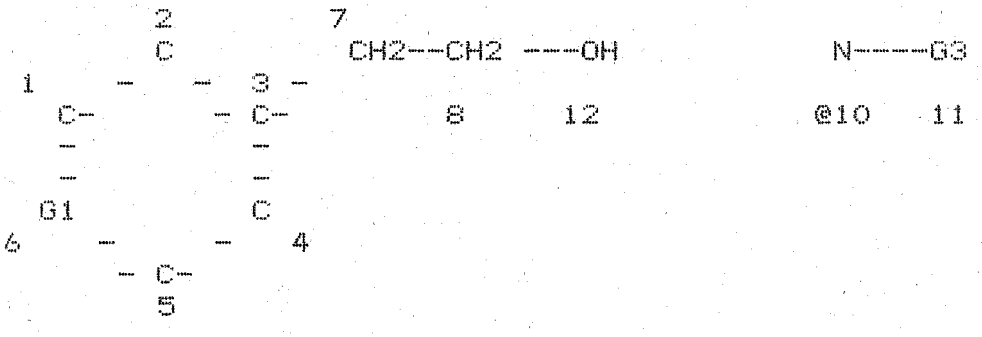
only 1

L18 ANSWER 1 OF 1

AN CA86(14):96063x
TI Ultraviolet spectrophotometry in drug control. XX. Study on the effect of substitution and solvents in more recent medicinal substances with the chromophores of benzene rings in the molecules
AU Kracmar, J.; Alvarez Sotolongo, M.; Kracmarova, J.; Horska, E.; Petranova, J.; Moravcova, B.
CS Statni Ustav Kontrolu Leciv
LO Prague, Czech.
SO Cesk. Farm., 25(7), 243-57
SC 64-3 (Pharmaceutical Analysis)
DT J
CO CKFRAY
PY 1976
LA Czech
AB Thirty RPh, RC6H4-alkyl, RC6H4-halo, RC6H4O-alkyl, RC6H4OH, RC6H4N alkyl2, RC6H4NO2, RC6H4NH2NHaryl, and RC6H4Ch:N(N:N) drugs were characterized by the absorption bands E, K, B, and R and vibration structures of the bands K and B. Absorption max. at 5 nm were used for quant. detn. of active substances in drugs. More specific

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 9

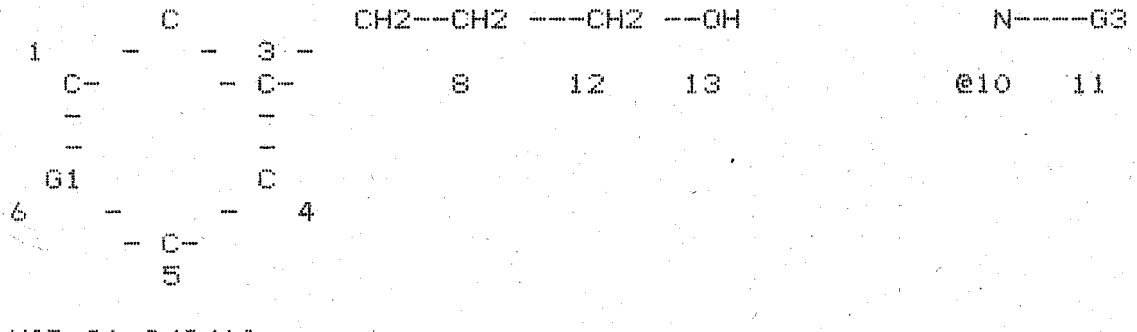
=> d l5
'L5' HAS NO ANSWERS
L5 STR



VAR G1=O/S/10
VAR G3=ME/ET/I-PR/N-PR/I-BU/N-BU/T-BU/S-BU
NODE ATTRIBUTES: NONE

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 11

=> d l6
'L6' HAS NO ANSWERS
L6 STR



VAR G1=O/S/10
VAR G3=ME/ET/I-PR/N-PR/I-BU/N-BU/T-BU/S-BU
NODE ATTRIBUTES: NONE

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 12

=> s c14h11cl2no2
L15 215 C14H11CL2NO2

=> dil15 and l7
L16 0 L15 AND L7

=> s tl4h11cl2no2/crn
L17 0 C14H11CL2NO2/CRN

=>
FILE 'CA' ENTERED AT 08:00:03 ON 24 FEB 88

FILE LAST UPDATED: 20 FEB 88 (880220/ED) VOL 108 ISS 8

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L7          543 SEA SSS FUL (L3 OR L4 OR L5 OR L6) AND L1 AND L
                ---------
L8           32 S L7 AND (SALT OR COMPLEX)
L9            4 S DICLOFENAC
L10           0 S L9 AND C12H1CL2NO2
L11           0 S L9 AND C12H12CH2NO2
L12           0 S L9 AND C12H11CL2NO2
L13           1 S DICLOFENAC/CN
                E C14H11CL2NO2/MF
L14           1 S E12

=> d 13
'L3' HAS NO ANSWERS
L3                STR

          2         6
          C          CH2--CH2 ---OH
1     ---   -  3 -
  G1         - N-         7       8
    -          -
    -          -
    C----------C
 5              4

REP G1=(1-2) CH2
NODE ATTRIBUTES: NONE

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS   8

=> d 14
'L4' HAS NO ANSWERS
L4                STR

          2         6
          C          CH2--CH2 ---CH2 --OH
1     ---   -  3 -
  G1         - N-         7       8      9
    -          -
    -          -
    C----------C
 5              4

REP G1=(1-2) CH2
NODE ATTRIBUTES: NONE

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS   9

=> d 14
'L4' HAS NO ANSWERS
L4                STR

          2         6
          C          CH2--CH2 ---CH2 --OH
1     ---   -  3 -
  G1         - N-         7       8      9
    -          -
    -          -
    C----------C
 5              4

REP G1=(1-2) CH2
```